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(54) Title: METHODS TO PREVENT TUMOR RECURRENCE BY BLOCKADE OF TGF- β

(57) Abstract: Methods are provided herein to prevent a tumor recurrence in a subject, involving administering to the subject an agent that blocks the TGF- β signaling pathway. In one embodiment, the agent inhibits the immunosuppressive effects of TGF- β . Also provided is a method of enhancing an immune respond in a subject to inhibit recurrence of a tumor by administering an agent which blocks the TGF- β signaling pathway. A method of enhancing the activity of an immune cell to inhibit recurrence of a tumor by contacting a TGF- β receptor-expressing cell with an agent which blocks the TGF- β signaling pathway is also provided, as are methods of screening for an agent that inhibits or measurably reduces the recurrence of a tumor.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/34023

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00, 39/395

US CL : 514/12; 424/130.1, 134.1, 138.1, 139.1, 141.1, 155.1, 158.1; 435/7.21, 7.23

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 514/12; 424/130.1, 134.1, 138.1, 139.1, 141.1, 155.1, 158.1; 435/7.21, 7.23

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,090,383 A (DASCH et al.) 18 July 2000 (18.07.00), see abstract, column 2, lines 5-40, column, 3, lines 14025, column 4, line 65-column 6 line 30.	1-6, 8-16, 19-21, 25-37
X	MAO, X. W. et al. Immunotherapy with Low-Dose Interleukin-2 and Anti-transforming Growth Factor-beta antibody in a Murine tumor Model. Cancer Biotherapy. 1994, Vol. 9, No. 4, pages 317-327, see pages 317-318 and abstract.	1, 3-4, 8-9, 11, 13-16, 19-21, 26-30, 32-36

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

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document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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document member of the same patent family

Date of the actual completion of the international search

27 September 2004 (27.09.2004)

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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

STN, WEST:

search terms: transforming growth factor, beta, cancer or tumor or tumour, antihod? , recepor?